

From arc5 at ix.netcom.com Fri Mar 1 17:57:15 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 1 Mar 2019 16:57:15 -0600
Subject: [BoatAnchors] Carbon Comp Drift (was: GRC-9 Update III)
In-Reply-To: <C8400D2C2348408B92933F19503E68F2@DH26DQ31>
References: <C8400D2C2348408B92933F19503E68F2@DH26DQ31>
Message-ID: <004101d4d082\$1d442c80\$57cc8580\$@netcom.com>

Ages ago, I was told to always look closely at any carbon comp with

either a green or blue multiplier band, as these drifted high more

often than others. And that seemed true at the time.

Strangely, in the last few years, when refurbishing sets, have begun

seeing far more with a yellow or orange multiplier band out-of-bounds

than the green/blue bunch. Most common resistors to find bad

are 33K, 47K, 100K, 330K and 470K. Maybe it's just because those

are more common in sets than 1 Meg or 10 Meg, but I don't think so.

Rarely see a carbon comp in a set below 10K that's out of spec.

Black, brown and red multiplier bands are 90% or better OK.

"NOS" carbon comps that have been sitting in boxes

without climate control are a different story. Just thinking

of ones I've seen actually in sets.

Have a theory about this:

Inside a carbon-comp resistor is a carbon-based resistance

"filling" or "matrix" with conductive plugs on each end.

One can visualize this matrix as a bunch of resistors in series

and parallel; think of a series string of resistors, then many

strings layered like an onion. Taken all-together, they

make one equivalent value.

As the matrix ages, the outer "onion layers" fracture.

Fracturing one of the series resistors does not open

that string, because the bottom of the fracture is still

in the matrix. It makes that string longer than the others,

making two resistors in series where there was one

and thus, increasing the overall matrix resistance.

As aging continues and the number of these fractures

grow, the overall resistance of the part climbs ever

higher.

The effect is less pronounced in lower-value resistors,

because the value of each of the imagined individual

resistors in the matrix is lower, so the value of

the effectively "extra" resistors added by each fracture is

also smaller , i.e. the same physical fracture rate that would

move a 1-Meg resistor up 500K would move a

1-Ohm resistor only 5 tenths of an Ohm.

Thoughts on drift resistors?

73 Dave S.

From wb3fau55 at neo.rr.com Sun Mar 3 11:24:14 2019
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sun, 03 Mar 2019 16:24:14 +0000
Subject: [BoatAnchors] T-368
Message-ID: <074bbb8f613644a2359094178ee2a9afc3364e64@webmail>

Hello anchorites- i am in need of mod transformer from a T-368 military transmitter for a project. or any leads to finding one. 73s Russ.

From packradt at gmail.com Sun Mar 3 20:38:10 2019
From: packradt at gmail.com (packradt packradt)
Date: Sun, 3 Mar 2019 19:38:10 -0600
Subject: [BoatAnchors] RT-617/URC-40
Message-ID: <CABYRTqeh0h7A5kZkU-kpujs0-P9F2ur5F8ycLXnX_M-0BVo00w@mail.gmail.com>

Gentlemen,
I've just been shown one of these sets, complete with power supply, mounting sled, handset/cradle, and remote switching unit of some kind. It seems to be a two digit serial number on the plate, and of the styling era

of the r-392/t-195 era. The work order seems to indicate 1960 (40512-pm-60) and late enough that Motorola included their logo on the data plate. This was at the bottom of a 'treasure pile' locally, someone known to come up with oddments and unobtainium; his initial ask might be a bit high. Or not.

After several attempts at a Google search, I have come up empty handed. Can anyone tell me about this, or direct me to online resources where I can read up on: what (over and above it being a vehicular transceiver) this is, where it was used, does it have a rare moment in history, or was it a model put to sleep in the military's evaluation stage? It's a little newish for me, but the complete 'radio silence' on any information has me intrigued. For instance, Radio Nerds does list it, but it goes to a blank entry.

Thanks, Nathan KM4MQS

From tbryan at nova.org Sun Mar 3 21:29:57 2019
From: tbryan at nova.org (Tom B)
Date: Sun, 3 Mar 2019 21:29:57 -0500
Subject: [BoatAnchors] RT-617/URC-40
In-Reply-To: <CABYRTqeh0h7A5kZkU-kpujs0-P9F2ur5F8ycLXnX_M-OBVo00w@mail.gmail.com>
References: <CABYRTqeh0h7A5kZkU-kpujs0-P9F2ur5F8ycLXnX_M-OBVo00w@mail.gmail.com>
Message-ID: <dd643003-1feb-cd22-8b34-1165c6cf88ee@nova.org>

Hi Nathan,

There is some information here.? See
https://sill-www.army.mil/firesbulletin/archives/1962/MAY_1962/MAY_1962_FULL_EDITION.pdf

See pages 14-17.

Tom Bryan

N3AJA

On 3/3/2019 8:38 PM, packradt packradt via BoatAnchors wrote:

> Gentlemen,
> I've just been shown one of these sets, complete with power supply,
> mounting sled, handset/cradle, and remote switching unit of some kind. It
> seems to be a two digit serial number on the plate, and of the styling era
> of the r-392/t-195 era. The work order seems to indicate 1960 (40512-pm-60)
> and late enough that Motorola included their logo on the data plate. This
> was at the bottom of a 'treasure pile' locally, someone known to come up
> with oddments and unobtainium; his initial ask might be a bit high. Or not.
>
>

From arc5 at ix.netcom.com Wed Mar 6 14:55:38 2019

From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 6 Mar 2019 13:55:38 -0600
Subject: [BoatAnchors] TCS Receiver on High Voltage DC-DC Brick
Message-ID: <000001d4d456\$92998e80\$b7ccab80\$@netcom.com>

They seem to have improved those little yellow
High-Voltage
DC-DC converters, sourcing enough power to make
them
more useful. You can find'em on Ebay and Amazon
for
8 or 10 bucks, like this one:

<https://www.ebay.com/itm/183717171988>

They spec them for 20 Watts continuous. Recently
got a couple and decided to try one on a newly-
revived TCS receiver. Set the output for 190V.
At that B+ the TCS draws about 70 mills at full
volume, about 13 Watts. Ran it for
a couple of hours and the FET never got beyond
comfortably warm to a fingertip and the
heatsink remained cool.

<https://photos.app.goo.gl/6j3H8cdxRsGxVJdY6>

Upsides:

Easy-peasy regulated B+ supply.
TCS is best with regulated B+
Run the whole radio off 12VDC.
Cheap. Tiny thing.

Downside:

RF noisy, so it must be shielded
with filtered leads in/out.

GL OM ES 73 DE Dave AB5S

From navy.radio at gmail.com Sun Mar 10 15:14:28 2019
From: navy.radio at gmail.com (Nick England)
Date: Sun, 10 Mar 2019 15:14:28 -0400
Subject: [BoatAnchors] Charlotte NC hamfest photos
Message-ID: <CAB55hNeOsmEQukLervUZ_zPKQe1d1Ei+zJTjW=nLYbYE0FMrYg@mail.gmail.com>

<http://www.virhistory.com/ham/clt-19.htm>

Nick England K4NYW
www.navy-radio.com

From navy.radio at gmail.com Tue Mar 12 17:41:15 2019
From: navy.radio at gmail.com (Nick England)
Date: Tue, 12 Mar 2019 17:41:15 -0400
Subject: [BoatAnchors] National FSL-4 ID? Made for Royal Canadian Navy
Message-ID: <CAB55hNfL0pEeXgQB0FEPEVXhKodW=rupHp7xKywPuJ3yi0NNbw@mail.gmail.com>

Jerry is looking for info on this device.

=====
<http://jproc.ca/crypto/fsl4.html>
contact jerry.proc at sympatico.ca

From navy.radio at gmail.com Thu Mar 14 07:18:11 2019
From: navy.radio at gmail.com (Nick England)
Date: Thu, 14 Mar 2019 07:18:11 -0400
Subject: [BoatAnchors] Estate sale. Cumming Georgia
Message-ID: <CAB55hNfBxUJCX3+U=A88pn1ZU061K57iSTG2egn6xC7z0-C7Ng@mail.gmail.com>

Not mine, no relation, etc.
photos show a number of BoatAnchors
<https://www.estatesales.net/GA/Cumming/30040/2145009?modal=true>

--
Nick England K4NYW
www.navy-radio.com

From arc5 at ix.netcom.com Fri Mar 15 14:38:19 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 15 Mar 2019 13:38:19 -0500
Subject: [BoatAnchors] Dan Nelson: Excellent TV-7 Restoration
Message-ID: <003a01d4db5e\$4358d150\$ca0a73f0\$@netcom.com>

Set-aside some of the tax-extortion refund to have
one
of my TV-7 Tube Testers professionally restored.
Sent it to Mr. Dan Nelson in Chandler, AZ.
Got it back yesterday.

Very impressed! This TV-7 was a real train-wreck.
Lots of problems and looked like it had been
through
a hot war. He said he would do what he could with

the case. I told him "test equipment is like
a good spouse- loyalty is more important than

pretty."

What I got back looks splendid. Dan even did the "elbow grease" to remove the years of spray paint and crud to get down to the original finish. It's beautiful. All the worn-out sockets and busted parts are replaced with new. The "sticky" meter has been replace. Overload-burnt parts and hack-job "repairs" have been replaced and corrected. It works like new. Dan's craftsmanship is top-shelf. He included an invoice and description of the work done with full details and a page of performance tests:
<https://tinyurl.com/yy7caeod>

Dan's service is not "cheap." Base charge for a list of standard items is \$250 plus parts and shipping. But consider this: A TV-7 in this excellent condition commonly sells on Ebay for \$800-\$900. Even if you need a new meter (\$140) and major repairs so that the total is \$450 or more, that's still an excellent return on your investment. I'd buy things for \$450 I could sell for \$900 all day and all night.

Dan's contact information:

Daniel Nelson
1084 E. Senate Circle
Chandler, AZ 85225
djn at ieee.org
djn16 at cox.net
480-814-8827

73 Dave S.

From dean.gagnon at junos.com Sat Mar 16 17:02:46 2019

From: dean.gagnon at juno.com (dean.gagnon at juno.com)
Date: Sat, 16 Mar 2019 21:02:46 GMT
Subject: [BoatAnchors] National SW-3 Data
Message-ID: <20190316.170246.27902.0@webmail13.vgs.unttd.com>

Looking for a copy of "The SW-3 Story" by Jim Fred.

Glad to buy it or live with a copy.

Please advise if you know where to locate a copy of this booklet.

Thanks in advance,

Dean
KK1K

Our Hearts Go Out To Denzel Washington
go.dedicatedoffers.com
<http://thirdpartyoffers.juno.com/TGL3131/5c8d64bfae5d564bf6c5dst02vuc>

From arc5 at ix.netcom.com Mon Mar 18 14:16:08 2019
From: arc5 at ix.netcom.com (David Stinson)
Date: Mon, 18 Mar 2019 13:16:08 -0500
Subject: [BoatAnchors] Crummy Grounds
Message-ID: <003c01d4ddb6\$a945d760\$fbd18620\$@netcom.com>

An example of what, in my experience, is becoming
as
big a problem for Boatanchor and Mil-Radio folks
as are old capacitors: Hi-Z Grounds.

Filaments wouldn't light on a BC-230 transmitter.
The bottom pin on the connector should be at
chassis ground. A wire runs from that pin to a
ground lug at one of the connector mounting
screws.

Measurement from the pin to chassis was 37 Ohms-
more than enough to drop all that filament
Voltage.

A drop of De-Ox-It ("a little dab'll do ya") and
a quarter-turn of the connector mounting screws-
loose, then tighten- and no more crummy ground.

Also, this one had the "riveted tube pin" problem.
A drop of De-Ox-It on each tube pin rivet, insert
the
tube and work it gently back-and-forth to flex the
rivet connections, and the transmitter is now

working.

GL OM ES 73 DE Dave AB5S

From jerry.proc at sympatico.ca Mon Mar 18 15:37:59 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Mon, 18 Mar 2019 15:37:59 -0400
Subject: [BoatAnchors] The Radio Valve Company
Message-ID: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>

Hello Everyone,

In 1923, an arrangement was set up whereby the Radio Valve Company of Canada would produce vacuum tubes for the (then) Marconi Wireless & Telegraph Co and Canadian General Electric. The deal lasted until 1944. This photo essay features the contract deals and the production line.

http://www.jproc.ca/marconi/tube_production.html

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

From radiokk1k at gmail.com Mon Mar 18 16:25:49 2019
From: radiokk1k at gmail.com (Dean Gagnon)
Date: Mon, 18 Mar 2019 16:25:49 -0400
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <5c8ff3b9.1c69fb81.d08f7.ccaaSMTPIN_ADDED_BROKEN@mx.google.com>
References: <5c8ff3b9.1c69fb81.d08f7.ccaaSMTPIN_ADDED_BROKEN@mx.google.com>
Message-ID: <CAAYUoh+fWZ39CK2WbX=2EtckFtjEEa=4JcH=cZm-fR+3KWfNNw@mail.gmail.com>

Jerry,

Very interesting.

Thanks,

Dean
KK1K

On Mon, Mar 18, 2019 at 3:38 PM Jerry Proc <jerry.proc at sympatico.ca> wrote:

> Hello Everyone,
>
>
>
> In 1923, an arrangement was set up whereby the Radio Valve Company of
> Canada would produce vacuum tubes for the (then) Marconi Wireless &
> Telegraph Co and Canadian General Electric. The deal lasted until 1944.
> This photo essay features the contract deals and the production line.
>
> http://www.jproc.ca/marconi/tube_production.html
>
>
>
> Regards,
>
> Jerry Proc
>
> jerry.proc at sympatico.ca
>
> Web: www.jproc.ca
>
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>

From 1oldlens1 at ix.netcom.com Mon Mar 18 17:08:21 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Mon, 18 Mar 2019 14:08:21 -0700
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
Message-ID: <8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>

Fascinating, thank you for posting this. I note that Marconi used the "Radiotron" trademark owned by RCA.

The pix remind me of one of my first jobs, engineer at a factory that made resistors. Nearly all girls. I was being very straight arrow.

On 3/18/2019 12:37 PM, Jerry Proc wrote:

> Hello Everyone,
>
>
>
> In 1923, an arrangement was set up whereby the Radio Valve Company of
> Canada would produce vacuum tubes for the (then) Marconi Wireless &
> Telegraph Co and Canadian General Electric. The deal lasted until 1944.
> This photo essay features the contract deals and the production line.
>
> http://www.jproc.ca/marconi/tube_production.html
>
>
>
> Regards,
>
> Jerry Proc
>
> jerry.proc at sympatico.ca
>
> Web: www.jproc.ca
>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From rlloken at telus.net Mon Mar 18 18:26:50 2019
From: rlloken at telus.net (Richard Loken)
Date: Mon, 18 Mar 2019 16:26:50 -0600 (MDT)
Subject: [BoatAnchors] variable capacitor rotor grounding
Message-ID: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>

So gentlemen, I have a solid state Sony stereo receiver where the contact on the tuning capacitor rotating plates became intermittent a couple years ago so. The capacitor has a metal wiper attached to the capacitor frame which rubs against the control shaft so I cleaned up the contact and the shaft but now, two years later, it is intermittent again.

What is a more permanent solution to this problem? I mean a positive solution rather than using a .357 magnum to put the tuning capacitor out of its misery.

--

Richard Loken VE6BSV : "...underneath those tuques we wear,
Athabasca, Alberta Canada : our heads are naked!"

** rlloken at telus.net ** : - Arthur Black

From wa9jml at frontier.com Mon Mar 18 19:31:38 2019
From: wa9jml at frontier.com (Steve Berg)
Date: Mon, 18 Mar 2019 18:31:38 -0500
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
Message-ID: <caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>

About 25 miles east of my QTH, in Geneva, Illinois, the Cetron company had their main factory.? One of my buddy's late mother worked there on their assembly line.? I think she worked on the line that made the T-160L or 572B tubes.? She worked there for many years.

I think most of those precise jobs depend on the female of the species' extra fine hand/eye coordination.

73,

Steve WA9JML

>

From 1oldlens1 at ix.netcom.com Mon Mar 18 20:53:20 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Mon, 18 Mar 2019 17:53:20 -0700
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
Message-ID: <b2ac9288-213a-bb53-766e-bd8c641b4219@ix.netcom.com>

A story from a very good source is about the making of film packs at Kodak. For those who have never heard of them a film pack is a thin package with a dozen or more sheets of film in it. The films are changed by pulling out a paper tab on each. They are very fast to use. The assembly at Kodak was done by a bunch of ladies. Eventually, they got old and retired and no one there could make the packs so they were discontinued. I also understand that the final adjustment of the variable capacitors in the Hammarlund SP-600 was done by a group of ladies and no one else knew how. (Not sure I believe that).

Women were often more skilled at fine work and were also usually very reliable.

On 3/18/2019 4:31 PM, Steve Berg wrote:

> About 25 miles east of my QTH, in Geneva, Illinois, the Cetron
> company had their main factory.? One of my buddy's late mother
> worked there on their assembly line.? I think she worked on the
> line that made the T-160L or 572B tubes.? She worked there for
> many years.

>

> I think most of those precise jobs depend on the female of the
> species' extra fine hand/eye coordination.

>

> 73,

>

> Steve WA9JML

--

Richard Knoppow

1oldlens1 at ix.netcom.com

WB6KBL

From kb8tad at gmail.com Mon Mar 18 21:37:42 2019

From: kb8tad at gmail.com (Rich Post)

Date: Mon, 18 Mar 2019 21:37:42 -0400

Subject: [BoatAnchors] variable capacitor rotor grounding

In-Reply-To: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>

References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>

Message-ID: <CAEJr0Fuc4=LWo6u8qU7_HrhvAFYXiA=ZZ1ePaP7y_XhiYA+XKg@mail.gmail.com>

I assume you have used the old standby, DeoxIT. I use the pump spray to avoid paying for the propellant and an artist's paint brush to limit the amount.

The problem is common in receivers that are not heavily used. Here's an example of the problem with a real "boatanchor" receiver (loaded with tubes!), an HH Scott 340 Stereomaster.

"Scratchy" tuner

The FM tuner was working but scratchy as I turned the dial. The stations would jump in and out erratically as I tuned. I had seen this problem before in other tuners. Removing the variable cap shield cover, I applied DeOxit to the grounding points and bearings on the cap. That cured the problem. I was now able to tune some very weak stations easily.

A hard solution such as a flex lead variable cap rotor may not be appropriate for something like 100 MHz FM with the added inductance of the flex braid.

A bit of cleaning every couple of years with the right stuff may be the best solution (no pun intended).

Rich KB8TAD

On Mon, Mar 18, 2019 at 6:28 PM Richard Loken via BoatAnchors <boatanchors at lists.theporch.com> wrote:

```
> So gentlemen, I have a solid state Sony stereo receiver where the contact
> on the tuning capacitor rotating plates became intermittent a couple years
> ago so. The capacitor has a metal wiper attached to the capacitor frame
> which rubs against the control shaft so I cleaned up the contact and the
> shaft but now, two years later, it is intermittent again.
>
> What is a more permanent solution to this problem? I mean a positive
> solution rather than using a .357 magnum to put the tuning capacitor out
> of its misery.
>
> --
> Richard Loken VE6BSV : "...underneath those tuques we
> wear,
> Athabasca, Alberta Canada : our heads are naked!"
> ** rlloken at telus.net ** : - Arthur Black
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> https://lists.theporch.com/mailman/listinfo/boatanchors
>
```

From gumbear at pacbell.net Tue Mar 19 00:32:44 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Mon, 18 Mar 2019 21:32:44 -0700
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
Message-ID: <736488DD62C847B397D5A419B840C90E@Lenovo>

"What is a more permanent solution to this problem? I mean a positive solution rather than using a .357 magnum to put the tuning capacitor out of its misery."

Well, Richard, the stuff I use now is the stuff Rat Shack used to sell under the name Lube Gel. It is a product of Synco Chemical Corp that is a regular catalog item under the name p/n 21030, Super Lube, available through Amazon. It is a synthetic based, non corrosive, long life material with a viscosity about right for tuning capacitor wipers. But before you apply it first treat the wipers with Caig D5 until the noise is gone. Don't spray it and make a mess, apply with a needle syringe or tiny artist's brush. When the capacitor is quiet blow the D5 out with canned air and apply the grease.

Should keep your receiver quiet for a much longer time.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From gumbear at pacbell.net Tue Mar 19 00:37:41 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Mon, 18 Mar 2019 21:37:41 -0700
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <b2ac9288-213a-bb53-766e-bd8c641b4219@ix.netcom.com>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
<b2ac9288-213a-bb53-766e-bd8c641b4219@ix.netcom.com>
Message-ID: <91E1B6F79EF5479A82B7F9243C70F844@Lenovo>

..... Women were often more skilled at fine work and were also
usually very reliable.

I suppose someone is going to say women were the finest watch makers too.
Careful, you're playing with fire!

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From Paul.Thekan at cpaii.com Tue Mar 19 08:44:05 2019
From: Paul.Thekan at cpaii.com (Thekan, Paul)
Date: Tue, 19 Mar 2019 12:44:05 +0000
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
Message-ID: <06498f77002645f2b39aeb834c285f10@Gold.cpaii.com>

When I started here at Eimac 30 years ago the pics of the ladies working looked very similar to what was going on back then. Many women working. All the grid and filament winding and mounting and assy where done by women with the exception of but a few men doing the final assys on the larger high power tubes.

The precision work done by these ladies is really quite something. Eimac still exists , really just a trademark now , but vastly smaller than it once was .

Prior to WW2 there were not that many women working at the plant when it was in San Bruno. But with the outbreak of war and ramped up production and men off to war(women also) production was now being done by women and stayed that way after the war.

Paul
N6FEG

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Steve Berg

Sent: Monday, March 18, 2019 4:32 PM

To: boatanchors at lists.theporch.com

Subject: Re: [BoatAnchors] The Radio Valve Company

About 25 miles east of my QTH, in Geneva, Illinois, the Cetron company had their main factory.? One of my buddy's late mother worked there on their assembly line.? I think she worked on the line that made the T-160L or 572B tubes.? She worked there for many years.

I think most of those precise jobs depend on the female of the species' extra fine hand/eye coordination.

73,

Steve WA9JML

>

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

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communication by anyone other than the intended recipient(s) is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From brianclarke01 at optusnet.com.au Tue Mar 19 08:49:44 2019
From: brianclarke01 at optusnet.com.au (Brian Clarke)
Date: Tue, 19 Mar 2019 23:49:44 +1100
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <91E1B6F79EF5479A82B7F9243C70F844@Lenovo>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
<b2ac9288-213a-bb53-766e-bd8c641b4219@ix.netcom.com>
<91E1B6F79EF5479A82B7F9243C70F844@Lenovo>
Message-ID: <000901d4de52\$3abdf880\$b039e980\$@com.au>

..... Women were often more skilled at fine work and were also usually very reliable.

There is no genetic let alone biological evidence to support this rabid cant.
73 de Brian, VK2GCE

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From amfone20000 at yahoo.com Tue Mar 19 08:55:37 2019
From: amfone20000 at yahoo.com (amfone)
Date: Tue, 19 Mar 2019 12:55:37 +0000 (UTC)
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <000901d4de52\$3abdf880\$b039e980\$@com.au>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>
<b2ac9288-213a-bb53-766e-bd8c641b4219@ix.netcom.com>
<91E1B6F79EF5479A82B7F9243C70F844@Lenovo>
<000901d4de52\$3abdf880\$b039e980\$@com.au>
Message-ID: <1603685877.7864470.1553000137726@mail.yahoo.com>

And I must add they were paid less.

On Tuesday, March 19, 2019, 8:49:49 AM EDT, Brian Clarke <brianclarke01 at optusnet.com.au> wrote:

..... Women were often more skilled at fine work and were also usually very reliable.?

There is no genetic let alone biological evidence to support this rabid cant.
73 de Brian, VK2GCE

BoatAnchors mailing list
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BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From jerry.proc at sympatico.ca Tue Mar 19 10:26:04 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Tue, 19 Mar 2019 10:26:04 -0400
Subject: [BoatAnchors] The Radio Valve Company
In-Reply-To: <8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>
<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>
Message-ID: <00ce01d4de5f\$aafc32c10\$0f498430\$@proc@sympatico.ca>

Hi Richard,

I too noticed the usage of the name Radiotron during the research. Here ,
I have lots of RCA tubes with the Radiotron branding. Let me check into
this a bit further. Thanks for the feedback,

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf
Of Richard Knoppow via BoatAnchors
Sent: Monday, March 18, 2019 5:08 PM
To: boatanchors at lists.theporch.com
Cc: Richard Knoppow
Subject: Re: [BoatAnchors] The Radio Valve Company

Fascinating, thank you for posting this. I note that Marconi
used the "Radiotron" trademark owned by RCA.

The pix remind me of one of my first jobs, engineer at a
factory that made resistors. Nearly all girls. I was being very
straight arrow.

On 3/18/2019 12:37 PM, Jerry Proc wrote:

> Hello Everyone,

>

>

>

> In 1923, an arrangement was set up whereby the Radio Valve Company of
> Canada would produce vacuum tubes for the (then) Marconi Wireless &
> Telegraph Co and Canadian General Electric. The deal lasted until 1944.
> This photo essay features the contract deals and the production line.

>

> http://www.jproc.ca/marconi/tube_production.html

>

>

>

> Regards,

>

> Jerry Proc

>

> jerry.proc at sympatico.ca

>

> Web: www.jproc.ca

>

--

Richard Knoppow

1oldlens1 at ix.netcom.com

WB6KBL

BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From jerry.proc at sympatico.ca Tue Mar 19 10:48:53 2019

From: jerry.proc at sympatico.ca (Jerry Proc)

Date: Tue, 19 Mar 2019 10:48:53 -0400

Subject: [BoatAnchors] The Radio Valve Company

In-Reply-To: <caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>

References: <006b01d4ddc2\$186df400\$4949dc00\$@proc@sympatico.ca>

<8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>

<caea4de8-04ba-92f9-9ec6-cd81f85c53ff@frontier.com>

Message-ID: <00d901d4de62\$df985250\$9ec8f6f0\$@proc@sympatico.ca>

Hi Steve,

I have read many times that female dexterity is much better than a man's, hence the reason why many of these highly skilled jobs were staffed with women.

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Steve Berg

Sent: Monday, March 18, 2019 7:32 PM

To: boatanchors at lists.theporch.com

Subject: Re: [BoatAnchors] The Radio Valve Company

About 25 miles east of my QTH, in Geneva, Illinois, the Cetron company had their main factory.? One of my buddy's late mother worked there on their assembly line.? I think she worked on the line that made the T-160L or 572B tubes.? She worked there for many years.

I think most of those precise jobs depend on the female of the species' extra fine hand/eye coordination.

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Steve WA9JML

>

BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From navy.radio at gmail.com Tue Mar 19 11:15:54 2019

From: navy.radio at gmail.com (Nick England)

Date: Tue, 19 Mar 2019 11:15:54 -0400

Subject: [BoatAnchors] The Radio Valve Company

In-Reply-To: <5c90fc3e.1c69fb81.2299d.1b7aSMTPIN_ADDED_BROKEN@mx.google.com>

References: <8841fa36-9d1d-d020-fb84-b37fa08ac762@ix.netcom.com>

<5c90fc3e.1c69fb81.2299d.1b7aSMTPIN_ADDED_BROKEN@mx.google.com>

Message-ID: <CAB55hNeuGy0RYhh0+SQHHAS8NOQ=QH0jBAbiZ+kjD5eSEohDOQ@mail.gmail.com>

In the US, RCA was created by GE acquiring Marconi just after WW1. RCA was later spun off. So part of these deals may have involved the Radiotron brand.

On Tue, Mar 19, 2019 at 10:27 AM Jerry Proc <jerry.proc at sympatico.ca> wrote:

> Hi Richard,

>

> I too noticed the usage of the name Radiotron during the research. Here ,

> I have lots of RCA tubes with the Radiotron branding. Let me check into

> this a bit further. Thanks for the feedback,
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>
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> From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On
> Behalf
> Of Richard Knoppow via BoatAnchors
> Sent: Monday, March 18, 2019 5:08 PM
> To: boatanchors at lists.theporch.com
> Cc: Richard Knoppow
> Subject: Re: [BoatAnchors] The Radio Valve Company
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> Fascinating, thank you for posting this. I note that Marconi
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> > Canada would produce vacuum tubes for the (then) Marconi Wireless &
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> > http://www.jproc.ca/marconi/tube_production.html
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> > Regards,
> >
> > Jerry Proc
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> > jerry.proc at sympatico.ca
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> > Web: www.jproc.ca
> >
>
>
> --
> Richard Knoppow
> 1oldlens1 at ix.netcom.com
> WB6KBL
> -----
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>
--

Nick England K4NYW
www.navy-radio.com

From brian at flex-tel.com.au Tue Mar 19 18:15:00 2019
From: brian at flex-tel.com.au (Brian Goldsmith)
Date: Tue, 19 Mar 2019 22:15:00 +0000
Subject: [BoatAnchors] RCA CR88A manual.
Message-ID:
<MEAPR01MB2328F1C6B69665E5FD586685BE400@MEAPR01MB2328.ausprd01.prod.outlook.com>

*** Greetings to all.

Has anyone has an individual Instruction Book for the RCA model CR88A.

CR88A is a component of DR89A (Diversity Radio Receiving Equipment) and as US Navy CRV46246B, is a component of RDM-1.
RCA nominated them as MI-17104B. There are two schematic diagrams extant, W309158 sub 0 for CR88A and W309158 sub 1 for CRV46246B, I have not been able to find any possible differences. CR88A does not have the S meter fitted but does have the diversity IF gain and crystal phasing controls fitted.

I do have the RDM-1 Instruction Book.

Any other info gratefully received.

Brian G.

From rlloken at telus.net Tue Mar 19 20:01:58 2019
From: rlloken at telus.net (Richard Loken)
Date: Tue, 19 Mar 2019 18:01:58 -0600 (MDT)
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <736488DD62C847B397D5A419B840C90E@Lenovo>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
Message-ID: <alpine.BSF.2.20.1903191756560.22343@discord.bogons>

Thanks gentlemen for your reply, yes indeed I used Caig DeOxit last time and it was nice and solid for two years. This time I will add the

lubricant that Arden recommended.

Do you guys remember when this list filled up your mailbox with 20 or 30 messages a day and the subject would stray from scratchy capacitors to communist conspiracies and the value of witchcraft in extending tube life or whatever.

Oh to be young again.

Arden, I was in Hannibal Missouri last spring and my wife bought me a tee shirt upon which Mark Twain reminds us all that if we went to heaven on merit then our dogs would go instead of us. Seems I repeat that witticism much too often.

--

Richard Loken VE6BSV : "...underneath those tuques we wear,
Athabasca, Alberta Canada : our heads are naked!"
** rllopen at telus.net ** : - Arthur Black

From 1oldlens1 at ix.netcom.com Tue Mar 19 20:19:06 2019

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Tue, 19 Mar 2019 17:19:06 -0700

Subject: [BoatAnchors] RCA CR88A manual.

In-Reply-To:

<MEAPR01MB2328F1C6B69665E5FD586685BE400@MEAPR01MB2328.ausprd01.prod.outlook.com>

References:

<MEAPR01MB2328F1C6B69665E5FD586685BE400@MEAPR01MB2328.ausprd01.prod.outlook.com>

Message-ID: <cd68610b-1e3c-0213-f1ee-092926d45b0f@ix.netcom.com>

There is a handbook for the RDM-1 using the CR-88 at:

<http://navy-radio.com/manuals/rdm1.pdf>

And a handbook and schematic for the regular CR-88 at BAMA

<http://bama.edebris.com/manuals/rca/>

This is the same as the AR-88D but with the crystal phasing control brought out the front. There was also a modified version used in the DR-89A/RDM-1 in place of the AR-88F. I think other than the phasing control they are identical. The Navy RDM-1 is identical to the commercial DR-89A.

The AR-88F, used in these systems, is modified to provide access to the diode output and AVC line from terminals on the back. It also has an IF output with connector on the back. It has a modified AVC system which has a gain trimmer on the front panel and also changes in the gain structure and AVC delay. It is easy to restore the original AVC configuration which I find works better in a stand-alone receiver.

I think there is also an RDM-1 handbook on BAMA. I have one but its too large to send via e-mail. I also have an original paper copy showing the AR-88F rather than the one with the

crystal phasing control. Note the circuits are identical, the phasing control was brought out with a shaft extension and modified mounting of the capacitor. Because it is not a balanced cap the notch doesn't work very well. Very much an afterthought.

I think the AR-88 was put into production in a hurry so that some final refining was never done. This seems to be the case when looking at the post-war variations such as the CR-91 and an experimental model with a mask for the tuning dial. It appears that RCA gave up on the design and went on to other things.

Anyone who has one can tell you it is an astonishing receiver.

None of the receivers used in the diversity rig had S-meters. The system had separate meters for each receiver driven from the diode output of each receiver. The diversity arrangement works by combining the outputs of the three detectors into a common load. The DC at the load tends to cut off the diodes with the weaker signals leaving the output of the strongest signal to be used to key the tone keyer and output. The AVC and gain structure is modified to permit the sharpest change over from diode to diode as the signal strength varies. The monitoring arrangement allows optimizing the tuning and balance of each receiver while the diversity output is working.

The diversity system was used with three identical antennas, in RCA practice they were often RCA "fishbone" antennas spaced about a thousand feet apart in a triangular pattern. These antennas have about the same gain and directivity as a rhombic but take less ground space. They are used almost entirely for receiving.

There is more information on the AR-88 series at <http://www.radioblvd.com/>

The AR-88 family is among the greatest receivers of all time.

On 3/19/2019 3:15 PM, Brian Goldsmith wrote:

> *** Greetings to all.

>

> Has anyone has an individual Instruction Book for the RCA model CR88A.

>

> CR88A is a component of DR89A (Diversity Radio Receiving Equipment) and

> as US Navy CRV46246B, is a component of RDM-1.

> RCA nominated them as MI-17104B. There are two schematic diagrams

> extant, W309158 sub 0 for CR88A and W309158 sub 1 for CRV46246B, I have

> not been able to find any possible differences. CR88A does not have the

> S meter fitted but does have the diversity IF gain and crystal phasing

> controls fitted.

>

> I do have the RDM-1 Instruction Book.

>

> Any other info gratefully received.

>

> Brian G.

--

Richard Knoppow

1oldlens1 at ix.netcom.com

WB6KBL

From 1oldlens1 at ix.netcom.com Tue Mar 19 20:53:34 2019

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)

Date: Tue, 19 Mar 2019 17:53:34 -0700

Subject: [BoatAnchors] variable capacitor rotor grounding

In-Reply-To: <alpine.BSF.2.20.1903191756560.22343@discord.bogons>

References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>

<736488DD62C847B397D5A419B840C90E@Lenovo>

<alpine.BSF.2.20.1903191756560.22343@discord.bogons>

Message-ID: <1cd7bec3-2329-8913-de48-26ab262a3218@ix.netcom.com>

I do this when I work screws to improve their contact, that is, use Deoxit. I think if you want a little residual lubricant Caig Faderlube would probably do it.

If you are going to replace rivets with screws, or even new rivets put tooth washers under them.

It IS possible to solder to aluminum but takes the right kind of flux. There is information on the web about this.

On 3/19/2019 5:01 PM, Richard Loken via BoatAnchors wrote:

> Thanks gentlemen for your reply, yes indeed I used Caig DeOxit

> last time

> and it was nice and solid for two years.? This time I will add the

> lubricant that Arden recommended.

>

> Do yous guys remember when this list filled up your mailbox with

> 20 or

> 30 messages a day and the subject would stray from scratchy

> capacitors to

> communist conspiracies and the value of witchcraft in extending

> tube life

> or whatever.

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> Oh to be young again.

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> Arden, I was in Hannibal Missouri last spring and my wife bought me a

> tee shirt upon which Mark Twain reminds us all that if we went to

> heaven

> on merit then our dogs would go instead of us.? Seems I repeat

> that witticism much too often.
>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From gumbear at pacbell.net Tue Mar 19 22:54:40 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 19 Mar 2019 19:54:40 -0700
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <alpine.BSF.2.20.1903191756560.22343@discord.bogons>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
Message-ID: <88A35D811779418E80C2AF2674ACDF6C@Lenovo>

I hope my dogs will accept me in Heaven. Sure they will, they never went without a treat!

Arden

-----Original Message-----

From: Richard Loken via BoatAnchors
Sent: Tuesday, March 19, 2019 5:01 PM
To: Rich Post via BoatAnchors ; Arden Allen
Cc: Richard Loken
Subject: Re: [BoatAnchors] variable capacitor rotor grounding

Thanks gentlemen for your reply, yes indeed I used Caig DeOxit last time and it was nice and solid for two years. This time I will add the lubricant that Arden recommended.

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--

Richard Loken VE6BSV

: "...underneath those tuques we wear,

Athabasca, Alberta Canada : our heads are naked!"
** rlloken at telus.net ** : - Arthur Black

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From kb8tad at gmail.com Wed Mar 20 12:22:26 2019
From: kb8tad at gmail.com (Rich Post)
Date: Wed, 20 Mar 2019 12:22:26 -0400
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <alpine.BSF.2.20.1903191756560.22343@discord.bogons>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
Message-ID: <CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>

Richard Loken wrote:

"Do you guys remember when this list filled up your mailbox with 20 or 30 messages a day and the subject would stray from scratchy capacitors to communist conspiracies ...
Oh to be young again."

Yes to both comments, having been on the list since the "Frozen Chosen" of MIT GNU. But there are now multiple venues for boatanchor commentary. Thanks to Jack, this list has limited the commentary to the germane.

Currently on the bench; HT-40 "Halli-kit"

Rich KB8TAD
<<https://people.ohio.edu/poslr/bapix/>>

From navy.radio at gmail.com Wed Mar 20 12:31:39 2019
From: navy.radio at gmail.com (Nick England)
Date: Wed, 20 Mar 2019 12:31:39 -0400
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
<CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
Message-ID: <CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>

A Halli-kit !

<http://www.virhistory.com/ham/heathkits/old5/P1010122.JPG>

I got this at Dayton 20 years ago. I never built it but sold it to someone later.

Nick

On Wed, Mar 20, 2019 at 12:22 PM Rich Post via BoatAnchors <boatanchors at lists.theporch.com> wrote:

> Richard Loken wrote:
> "Do yous guys remember when this list filled up your mailbox with 20 or
> 30 messages a day and the subject would stray from scratchy capacitors to
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> Currently on the bench; HT-40 "Halli-kit"
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> Rich KB8TAD
> <<https://people.ohio.edu/poslr/bapix/>>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>
--

Nick England K4NYW
www.navy-radio.com

From kb8tad at gmail.com Wed Mar 20 13:01:27 2019
From: kb8tad at gmail.com (Rich Post)
Date: Wed, 20 Mar 2019 13:01:27 -0400
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
<CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
<CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
Message-ID: <CAEJr0FtjcfSu008y0bhkX57MHKU6UwQGEBqB97a2=xx4yXxwmQ@mail.gmail.com>

Have the Mark 1 version. Chuck Dachis' book indicates he did not see any difference between the HT-40 and the mark 1 version. The obvious difference is the second neon indicator which when flashing shows 80%

modulation according to the manual. Nick's pic of the kit cabinet does not have that second indicator. The second difference I have found is the use of a three-section variable cap for loading in place of a two-section. No other differences noted. Tested out at 48 watts RF on CW 40, higher than specified by Halli but about the same as found by Herb Brier in his review in the 9-61 Popular Electronics. Mine has 47 uF doubler caps to replace the leaky 40s and is being operated at 121 volts nominal which may explain some of the higher wattage although the Halli spec does indicate 105-125 VAC.

Had to remove the rust from the cabinet before applying primer thus cosmetic rescue was also needed. It will never look as nice as the the unbuilt version in Nick's pic, but it will be able to warm the clouds.

Rich KB8TAD

On Wed, Mar 20, 2019 at 12:31 PM Nick England via BoatAnchors <boatanchors@lists.theporch.com> wrote:

> A Halli-kit !
> <http://www.virhistory.com/ham/heathkits/old5/P1010122.JPG>
>
> I got this at Dayton 20 years ago. I never built it but sold it to someone
> later.
>
> Nick
>

From rlloken at telus.net Wed Mar 20 14:48:24 2019
From: rlloken at telus.net (Richard Loken)
Date: Wed, 20 Mar 2019 12:48:24 -0600 (MDT)
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <CAB55hNdz01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
<CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
<CAB55hNdz01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
Message-ID: <alpine.BSF.2.20.1903201247340.22343@discord.bogons>

On Wed, 20 Mar 2019, Nick England via BoatAnchors wrote:

> A Halli-kit !
> <http://www.virhistory.com/ham/heathkits/old5/P1010122.JPG>
>
> I got this at Dayton 20 years ago. I never built it but sold it to someone
> later.

Cool lummy! I never knew that Hallicrafters built kits.

--

Richard Loken VE6BSV : "...underneath those tuques we wear,
Athabasca, Alberta Canada : our heads are naked!"
** rlloken at telus.net ** : - Arthur Black

From 1oldlens1 at ix.netcom.com Wed Mar 20 18:23:09 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Wed, 20 Mar 2019 15:23:09 -0700
Subject: [BoatAnchors] Ohmite and Allen-Bradley Resistors
Message-ID: <edff972a-c261-1871-ab26-685b4be6689b@ix.netcom.com>

You all know that Ohmite and Allen-Bradley pots and composition resistors look the same. Well they ARE the same. I ran across an ad in QST for June, 1950 p.77 from Ohmite stating that they had an arrangement with Allen Bradley to market AB type J pots and EB, HB, GB composition resistors through Ohmite distributors. No mention of where they were actually made. My long experience is that both the pots and fixed resistors are the best of the old stuff. The only problem is that the pots are sealed and the backs must be pried off to clean them. Not too difficult in itself but they usually have to be removed to do it.

I have long suspected that they were the same, this proves it.

The resistors are the ones that have the values printed on them as well as having the usual coding stripes.

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From n7rk at cox.net Thu Mar 21 12:26:56 2019
From: n7rk at cox.net (Dave Hollander)
Date: Thu, 21 Mar 2019 09:26:56 -0700
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
<CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
<CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
Message-ID: <3078cf86-cd4f-bdb5-f4fa-6dc865f8a270@cox.net>

Boy does that bring back memories. I build an HT-40 kit when I was 11 years old while waiting for my novice. My dad (not a ham then) worked for Hallicrafters and brought one home for me.

73,

Dave N7RK and WN6IWX in 1963-1964

--

Dave Hollander N7RK
Arizona Tube Supply
<http://arizonatubesupply.com>

Ham Radio Page
<http://n7rk.com>

From ghyoungman at gmail.com Thu Mar 21 16:46:43 2019
From: ghyoungman at gmail.com (Grant Youngman)
Date: Thu, 21 Mar 2019 16:46:43 -0400
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <3078cf86-cd4f-bdb5-f4fa-6dc865f8a270@cox.net>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>
<CAEJr0FsEP=PfGhHHAb4NasFmAb8sz5a=_akWYdPEnuuxR44YrA@mail.gmail.com>
<CAB55hNdZ01QXGbT1H2wUVg=y+E0ycruQEnddBC21WuS6tAyBJw@mail.gmail.com>
<3078cf86-cd4f-bdb5-f4fa-6dc865f8a270@cox.net>
Message-ID: <F2817CC6-401C-4702-B64B-AEF10A19CBF9@gmail.com>

Anyone with a nostalgic interest in putting an Hallicrafters HT-40 on the air,
should read this post from a reliable source ?

<http://www.wirelessgirl.com/Projects/AMTransmitters/HallicraftersHT40.html>

It apparently has a significant issue with subharmonic feedthrough when using a
typical VFO.

Grant NQ5T

> On Mar 21, 2019, at 12:26 PM, Dave Hollander via BoatAnchors <boatanchors at
lists.theporch.com> wrote:

>

> Boy does that bring back memories. I build an HT-40 kit when I was 11 years old
while waiting for my novice.

From harper at secureoutcomes-hq.com Tue Mar 19 20:36:42 2019
From: harper at secureoutcomes-hq.com (Jack Harper)
Date: Tue, 19 Mar 2019 18:36:42 -0600
Subject: [BoatAnchors] variable capacitor rotor grounding
In-Reply-To: <alpine.BSF.2.20.1903191756560.22343@discord.bogons>
References: <alpine.BSF.2.20.1903181249390.22343@discord.bogons>
<736488DD62C847B397D5A419B840C90E@Lenovo>
<alpine.BSF.2.20.1903191756560.22343@discord.bogons>

Message-ID: <mailman.518.1553209763.6702.boatanchors@lists.theporch.com>

...and marvelous posts by Roberto Barmo, Hank van Cleef, Jim Garland, Barry Ornitz, Allan Fritsche and all the others.

Great Days, but it has just about, I fear, run its course.

But, not quite...

Best to the List,

Jack, W?YJ ("Friend to all things Hammarlund")

At 06:01 PM 3/19/2019, Richard Loken via BoatAnchors wrote:

>Thanks gentlemen for your reply, yes indeed I used Caig DeOxit last time
>and it was nice and solid for two years. This time I will add the
>lubricant that Arden recommended.

>

>Do yous guys remember when this list filled up your mailbox with 20 or
>30 messages a day and the subject would stray from scratchy capacitors to
>communist conspiracies and the value of witchcraft in extending tube life
>or whatever.

>

>Oh to be young again.

>

>Arden, I was in Hannibal Missouri last spring and my wife bought me a
>tee shirt upon which Mark Twain reminds us all that if we went to heaven
>on merit then our dogs would go instead of
>us. Seems I repeat that witticism much too often.

>

>--

> Richard Loken VE6BSV : "...underneath those tuques we wear,
> Athabasca, Alberta Canada : our heads are naked!"
> ** rlloken at telus.net ** : - Arthur Black

>

>-----
>BoatAnchors mailing list
>BoatAnchors at lists.theporch.com
><https://lists.theporch.com/mailman/listinfo/boatanchors>

Jack Harper, President
Secure Outcomes Inc
2942 Evergreen Parkway, Suite 300

Evergreen, Colorado 80439 USA

303.670.8375

303.670.3750 (fax)

<http://www.secureoutcomes.net> for Product Info.

From jp at cs.unc.edu Sun Mar 24 16:40:33 2019

From: jp at cs.unc.edu (John Poulton)

Date: Sun, 24 Mar 2019 16:40:33 -0400

Subject: [BoatAnchors] Old Packet Radio Books.. free!

Message-ID: <CAKtz7fcprpo79Z-G6K0pjmhhXUnQ_1BSxg5bb0Us-g-kLqGPWg@mail.gmail.com>

I have three books that appear to have come from the dawn of packet radio:

Operating Instructions TINY-2 and Micropower-2 Packet Controllers (PacComm)

Operating Instructions for PacComm Packet Controllers

Tucson Amateur Packet Radio Terminal Node Controller Firmware Release 1.1.8

Command Reference

I hate to throw out books.. if anyone on the list would like them, I'll send them to you gratis.

73, John K4OZY

From jim.isbell at gmail.com Sun Mar 24 17:13:30 2019

From: jim.isbell at gmail.com (Jim Isbell, W5JAI)

Date: Sun, 24 Mar 2019 16:13:30 -0500

Subject: [BoatAnchors] Old Packet Radio Books.. free!

In-Reply-To: <CAKtz7fcprpo79Z-G6K0pjmhhXUnQ_1BSxg5bb0Us-g-kLqGPWg@mail.gmail.com>

References: <CAKtz7fcprpo79Z-G6K0pjmhhXUnQ_1BSxg5bb0Us-g-kLqGPWg@mail.gmail.com>

Message-ID: <CAB+LbZDZe2mBRLSi=++gNcwu0_76=W_TZzZRkoayC4cXQBHdBg@mail.gmail.com>

Yes, I would like to have them

Jim Isbell

On Sun, Mar 24, 2019 at 3:41 PM John Poulton <jp at cs.unc.edu> wrote:

> I have three books that appear to have come from the dawn of packet radio:

>

> Operating Instructions TINY-2 and Micropower-2 Packet Controllers (PacComm)

> Operating Instructions for PacComm Packet Controllers

> Tucson Amateur Packet Radio Terminal Node Controller Firmware Release 1.1.8

> Command Reference

>

> I hate to throw out books.. if anyone on the list would like them, I'll
> send them to you gratis.

>

> 73, John K4OZY

>

> -----
> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> <https://lists.theporch.com/mailman/listinfo/boatanchors>

>

From arc5 at ix.netcom.com Sun Mar 24 19:13:44 2019

From: arc5 at ix.netcom.com (David Stinson)

Date: Sun, 24 Mar 2019 18:13:44 -0500

Subject: [BoatAnchors] RT-53/TRC-7

Message-ID: <001f01d4e297\$3aacf6e0\$b006e4a0\$@netcom.com>

Does anyone have an unmodified, clean RT-53/TRC7
for which they might trade or ?

Always found those interesting.

There's one on Ebay right now, but it's missing
all its tubes and \$200 for that little things is
just out of the question. No one is going to
pay the mortgage selling old mil-radios, folks.
Those days are long over.

TNX ES 73 OM DE Dave AB5S

From jp at cs.unc.edu Sun Mar 24 21:43:19 2019

From: jp at cs.unc.edu (John Poulton)

Date: Sun, 24 Mar 2019 21:43:19 -0400

Subject: [BoatAnchors] Old Packet Radio Books.. free!

In-Reply-To: <CAB+LbZDZe2mBRLSi=++gNcwu0_76=W_TZzZRkoayC4cXQBHdBg@mail.gmail.com>

References: <CAKtz7fcprpo79Z-G6K0pjmhhXUnQ_1BSxg5bb0Us-g-kLqGPWg@mail.gmail.com>

<CAB+LbZDZe2mBRLSi=++gNcwu0_76=W_TZzZRkoayC4cXQBHdBg@mail.gmail.com>

Message-ID: <CAKtz7fdM_uYgGkDs99AA3ek8vwwv3JcRaDNi0NuW+2=5s7yhZw@mail.gmail.com>

Jim, send me your mailing address and I'll get em out to you!

73, John k4ozy

On Sun, Mar 24, 2019 at 5:14 PM Jim Isbell, W5JAI via BoatAnchors <
boatanchors at lists.theporch.com> wrote:

> Yes, I would like to have them

> Jim Isbell

>

>
>
> On Sun, Mar 24, 2019 at 3:41 PM John Poulton <jp at cs.unc.edu> wrote:
>
> > I have three books that appear to have come from the dawn of packet
> radio:
> >
> > Operating Instructions TINY-2 and Micropower-2 Packet Controllers
> (PacComm)
> > Operating Instructions for PacComm Packet Controllers
> > Tucson Amateur Packet Radio Terminal Node Controller Firmware Release
> 1.1.8
> > Command Reference
> >
> > I hate to throw out books.. if anyone on the list would like them, I'll
> > send them to you gratis.
> >
> > 73, John K4OZY
> > -----
> > BoatAnchors mailing list
> > BoatAnchors at lists.theporch.com
> > <https://lists.theporch.com/mailman/listinfo/boatanchors>
> >
> > -----
> > BoatAnchors mailing list
> > BoatAnchors at lists.theporch.com
> > <https://lists.theporch.com/mailman/listinfo/boatanchors>
>

From ae4r at cox.net Mon Mar 25 13:06:07 2019
From: ae4r at cox.net (Mike Steussy)
Date: Mon, 25 Mar 2019 13:06:07 -0400
Subject: [BoatAnchors] Eldico R-104 SSB receiver questions
In-Reply-To: <mailman.7.1553529601.10813.boatanchors@lists.theporch.com>
References: <mailman.7.1553529601.10813.boatanchors@lists.theporch.com>
Message-ID: <FF5C28D8-9F15-43BA-A823-6E42D8D2DDA4@cox.net>

Ahoy! At Vienna (VA) Winterfest on Sunday, I acquired an Eldico R104 receiver, not pretty, but looks restorable. Didn't come with manual, which I plan to order. Some questions for those of you who have this receiver.

What is pinout of the 12-pin Jones-type power connector on the front panel?
What is the identity of FL1 mechanical filter installed in the radio?
Also the optional FL2 CW(?) filter that was intended to plug into the 9-pin min. tube socket on the chassis?

What advice would you offer for restoring this particular radio? (I have the T102 transmitter, not yet tested).

73, Mike Steussy AE4R
Vienna VA

From jerry.proc at sympatico.ca Wed Mar 27 12:09:26 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Wed, 27 Mar 2019 12:09:26 -0400
Subject: [BoatAnchors] What Is a Radiotron?
Message-ID: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>

Hello Everyone,

I am trying to document a bit of early tube history. In the process I have discovered that the word 'Radiotron' was used by RCA, GE, RVC and Westinghouse on their tube cartons. So the question arises - What is a Radiotron?

Is the Radiotron name simply another name for a vacuum tube or is that some type of licensing arrangement among the former leading tube manufacturers to use a common trademark?

Regards,

Jerry Proc

jerry.proc at sympatico.ca

Web: www.jproc.ca

From kb8tad at gmail.com Wed Mar 27 13:52:49 2019
From: kb8tad at gmail.com (Rich Post)
Date: Wed, 27 Mar 2019 13:52:49 -0400
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <5c9ba131.1c69fb81.1774d.bdbcSMTPIN_ADDED_BROKEN@mx.google.com>
References: <5c9ba131.1c69fb81.1774d.bdbcSMTPIN_ADDED_BROKEN@mx.google.com>
Message-ID: <CAEJr0FsMNumGRk=k-0Ug3Wt8U4ng8trtRr=7s+M0qn0kLxHVvA@mail.gmail.com>

Hi Jerry,

Wikipedia claims that Radiotron was a Marconi name / brand for its vacuum tubes. If that was true in 1919, then the following story of the founding of RCA based on Gerald Tyne's information and side notes on Cunningham who sold tubes as Audiotron will tell more of the story.
<<https://vacuumtubesinc.com/cunninghampage>>

Yes, a Radiotron is a vacuum tube and a brand name when attached to a manufacturer such as RCA Radiotron . The Canadian history is related and Marconi Radiotrons are probably quite common there, as you well know.

Let us know further details as you find them.

73 de Rich KB8TAD

On Wed, Mar 27, 2019 at 12:13 PM Jerry Proc <jerry.proc at sympatico.ca> wrote:

From gumbear at pacbell.net Wed Mar 27 13:59:14 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 27 Mar 2019 10:59:14 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
Message-ID: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>

>So the question arises - What is a
Radiotron?

It sounds like to me various parties in the rush to get a ride on the radio bandwagon simultaneously created the same catchy name for the vacuum tube. Perhaps it was RCA that got it trademarked first. Am I guessing right?

I just dragged home an Atwater Kent 20C in fine condition. It has its original Cunningham radiotrons!

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From 1oldlens1 at ix.netcom.com Wed Mar 27 14:20:21 2019

From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Wed, 27 Mar 2019 11:20:21 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
Message-ID: <76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>

The formation of RCA was a very complex process. You might be able to get authentic information from someone at the Tube Collectors Association mailing list. This is a Yahoo list.

While Lee DeForest patented the triode tube he did not understand how it worked very well. His tubes were not well evacuated and, in fact, he thought a small amount of gas was necessary for it to work. The understanding and development of practical methods for obtaining high vacuum in production came from Henry D. Arnold at AT&T/Western Electric and from Irving Langmuir at General Electric. The work was done simultaneously and independently and the two companies decided to cross license rather than litigate. Part of the formation of RCA, mostly by General Electric was the cross licensing agreements. Elmer T. Cunningham went into competition with RCA but eventually was bought out by them. RCA continued to use the Cunningham trademark and Elmer Cunningham became an executive of RCA.

The use of "Radiotron" was not universal among the RCA companies, for instance, GE continued to use Pliotron as a trade name for its higher power tubes. I have no idea of the origin of that name. Westinghouse became a member of the RCA group because it held the Armstrong patent for the superheterodyne. Part of the agreement was that RCA was market sets made by GE and Westinghouse and AT&T and its associate Western Electric could make tubes for industrial purposes and a limited amount of equipment for sale to the public.

There is a very great deal of history of RCA on the web. One excellent source is "Communications Electronics in the History of the United States Navy" by Howeth. The entire book is available as a free PDF on line, I think at tubebooks.org
Radiotron was also used by some foreign (to the US) associates of RCA.

On 3/27/2019 10:59 AM, Arden Allen via BoatAnchors wrote:

>>So the question arises - What is a
> Radiotron??

>

> It sounds like to me various parties in the rush to get a ride on
> the radio bandwagon simultaneously created the same catchy name
> for the vacuum tube. Perhaps it was RCA that got it trademarked
> first.? Am I guessing right?

>
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> has its original Cunningham radiotrons!
>
> Arden Allen
> KB6NAX

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Wed Mar 27 14:46:05 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Wed, 27 Mar 2019 11:46:05 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
Message-ID: <8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>

Correction: the book title is
"History of Communications-Electronics in the United States Navy"
Linwood Haweth
Can be found at:
<https://archive.org/details/historyofcommuni00howe>

I thought also at Tubebooks.org but couldn't find it there.

On 3/27/2019 11:20 AM, Richard Knoppow via BoatAnchors wrote:
> ?? The formation of RCA was a very complex process. You might be
> able to get authentic information from someone at the Tube
> Collectors Association mailing list. This is a Yahoo list.
> ?? While Lee Deforest patented the triode tube he did not
> understand how it worked very well. His tubes were not well
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> from Henry D. Arnold at AT&T/Western Electric and from Irving
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> and independently and the two companies decided to cross license
> rather than litigate. Part of the formation of RCA, mostly by
> General Electric was the cross licensing agreements. Elmer T.
> Cunningham went into competition with RCA but eventually was
> bought out by them. RCA continued to use the Cunningham trademark
> and Elmer Cunningham became an executive of RCA.

> ?? The use of "Radiotron" was not universal among the RCA
> companies, for instance, GE continued to use Pliotron as a trade
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> it held the Armstrong patent for the superhetrodyne. Part of the
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> equipment for sale to the public.
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> Radiotron was also used by some foreign (to the US) associates of
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> On 3/27/2019 10:59 AM, Arden Allen via BoatAnchors wrote:
>>>So the question arises - What is a
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>> It sounds like to me various parties in the rush to get a ride
>> on the radio bandwagon simultaneously created the same catchy
>> name for the vacuum tube. Perhaps it was RCA that got it
>> trademarked first.? Am I guessing right?
>>
>> I just dragged home an Atwater Kent 20C in fine condition.? It
>> has its original Cunningham radiotrons!
>>
>> Arden Allen
>> KB6NAX
>
>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From k1lky68 at gmail.com Thu Mar 28 00:07:21 2019
From: k1lky68 at gmail.com (Roy Morgan)
Date: Thu, 28 Mar 2019 00:07:21 -0400
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
Message-ID: <9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>

> On Mar 27, 2019, at 1:59 PM, Arden Allen via BoatAnchors <boatanchors at lists.theporch.com> wrote:
>
>>So the question arises - What is a
> Radiotron?
> ...
> I just dragged home an Atwater Kent 20C in fine condition. It has its original Cunningham radiotrons!

The A-K 20C is a TRF radio as I see in Internet pictures, a classic 'three dialer' - my Father would have had such a radio at his home as a youngster. I'd guess late 20's or early 30's, but it's a guess. It does seem to be a rather high end radio of its type and time period.

You may well know that each of the three dials needs tube at the right setting to get a station to 'come in'. I have owned such a radio - not sure if it is the same kind but it is similar. It now lives with a friend and long time compatriot in radio matters. Maybe one day I'll get the needed batteries or supplies to see if it works.

It amazes me that radios that old, and tubes that old especially, can still operate and pull in the signals!

Do have fun with it.

Roy Morgan
K1LK Y since 1958
k1lky68 at gmail.com

From gumbear at pacbell.net Thu Mar 28 01:45:43 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 27 Mar 2019 22:45:43 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
Message-ID: <9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>

>I'd guess late 20's or early 30's, but it's a guess

The AK owner's manual is dated 1924. It uses five 01A (UV201A bayonet base) tubes. It needs a battery pack of +6V, +22.5V, +67.5V, +90V and -4.5V (for bias). The 20C is the so-called compact model, the box is just big enough

to contain a compactly built breadboard style chassis. The two rheostats control filament voltage to the detector and audio stages for best detection and volume. The speaker is literally a headphone inside of a big horn that acts as an acoustic amplifier. I will build a battery eliminator box to run the radio. Just too much fun.

Arden Allen
KB6NAX

From 1oldlens1 at ix.netcom.com Thu Mar 28 02:06:05 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Wed, 27 Mar 2019 23:06:05 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
Message-ID: <8ba5ac81-6419-57a5-673e-d0f8aa508621@ix.netcom.com>

Congratulations. Atwater Kent was considered a deluxe brand it its day. With some care it probably still works fine.

The old magazines show many loudspeakers of the horn type. There are many magazines of the right era at <https://www.americanradiohistory.com/>

On 3/27/2019 10:45 PM, Arden Allen via BoatAnchors wrote:

>>I?d guess late 20?s or early 30?s, but it?s a guess
>>
>
> The AK owner's manual is dated 1924.? It uses five 01A (UV201A
> bayonet base) tubes.? It needs a battery pack of +6V, +22.5V,
> +67.5V, +90V and -4.5V (for bias).? The 20C is the so-called
> compact model, the box is just big enough to contain a compactly
> built breadboard style chassis.? The two rheostats control
> filament voltage to the detector and audio stages for best
> detection and volume.? The speaker is literally a headphone
> inside of a big horn that acts as an acoustic amplifier.? I will
> build a battery eliminator box to run the radio.? Just too much fun.
>
> Arden Allen
> KB6NAX

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From gumbear at pacbell.net Thu Mar 28 09:38:07 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 28 Mar 2019 06:38:07 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <8ba5ac81-6419-57a5-673e-d0f8aa508621@ix.netcom.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
<8ba5ac81-6419-57a5-673e-d0f8aa508621@ix.netcom.com>
Message-ID: <57A64422A66B44A894FDE0ED4A7E0033@Lenovo>

><https://www.americanradiohistory.com/>

Last time I was on that site I spent way too much time there!

Arden

From ark at ar88.net Thu Mar 28 12:43:07 2019
From: ark at ar88.net (Al Klase)
Date: Thu, 28 Mar 2019 12:43:07 -0400
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
Message-ID: <146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>

The "Three Dialer" represents the state of the art in broadcast receivers during the mid-1920's radio craze. Everyone HAD to have one.? This design was adopted due to the dissatisfaction with the interference caused by regenerative sets.? Picture yourself in a block of 20-foot row houses, with a radio in almost everyone.

The circuit involves two tuned-radio-frequency amplifiers, followed by a tuned grid-leak detector, and two transformer-coupled audio stages.? These were "battery sets" with a 6-volt wet cell to light the filaments (A-battery), high-voltage dry batteries for the plates (B-battery), plus a bias supply (C-battery) of about 9 volts.? Adequate gain control was important with that many cascaded stages, and was provided by filament rheostats.? In the AK 20C there are two.? Consider them RF gain and AF gain.

Atwater Kent had the largest radio factory in the world in Philadelphia, turning out millions(?) of sets.? However, anybody who could solder opened a radio factory in his barn.? There were many hundreds of manufacturers.? When the much more convenient AC-powered sets came in the the late '20's, many of these were relegated to the attic.? Hey,

they cost a bunch of money!? Thus, a lot of them have survived.

These things require a radio operator.? The settings of the three dials do not track well, and change with antenna characteristics. There's no AVC, so you turn the rheostats way up, and kultz around until you find a station.? Then you can creep up and down the band to find others.? Logging cards were provided so you could write down the dial setting, and find your way back to a favorite stations.

I've kept a 20C running at the Radio Technology Museum
<<http://www.rtm.ar88.net/>> for a lot of years.? Here are some lessons learned:

Step one in restoring a three dialer is to take a ohmmeter to the audio transformers.? They are generally wound with many turns of #40 wire, and the years have not been kind to them. ? Yes, you can bridge an open winding with a resistor, and couple the transformer primary to the secondary with a capacitor, but you loose significant gain.

The years have been kind to the 201A tubes.? Many of them are usable after 90 year, and they're not rare.

You can use seriesed up 9-volt batteries of starters, if you don't have a appropriated bench supply.? An 8-ohm speaker connected to the 2nd AF plate via an AA5 output transformer will work just fine..

Enough for now.? Have fun,
Al

On 3/28/2019 12:07 AM, Roy Morgan via BoatAnchors wrote:

>> On Mar 27, 2019, at 1:59 PM, Arden Allen via BoatAnchors <boatanchors@lists.theporch.com> wrote:

>>

>>>So the question arises - What is a

>> Radiotron?

>> ...

>> I just dragged home an Atwater Kent 20C in fine condition. It has its original Cunningham radiotrons!

> The A-K 20C is a TRF radio as I see in Internet pictures, a classic 'three dialer' - my Father would have had such a radio at his home as a youngster. I'd guess late 20's or early 30's, but it's a guess. It does seem to be a rather high end radio of its type and time period.

>

> You may well know that each of the three dials needs tube at the right setting to get a station to 'come in'. I have owned such a radio - not sure if it is the same kind but it is similar. It now lives with a friend and long time compatriot in radio matters. Maybe one daly I'll get the needed batteries or supplies to see if it works.

>
> It amazes me that radios that old, and tubes that old especially, can still
operate and pull in the signals!
>
> Do have fun with it.
>
> Roy Morgan
> K1LKY since 1958
> k1lky68 at gmail.com
>
>
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

--
Al Klase ? N3FRQ
Jersey City, NJ
<http://www.skywaves.ar88.net/>

From 1oldlens1 at ix.netcom.com Thu Mar 28 15:20:32 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Thu, 28 Mar 2019 12:20:32 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
Message-ID: <bb9f79fb-6571-c365-645e-fdcccdd94d54@ix.netcom.com>

Again I recommend www.americanradiohistory.com The
magazines of the period have many discussions on interference and
noise, non-howling radios, etc. Also articles and ads for AC
power packs to replace batteries and keep old receivers going.
The popularity of broadcasting just exploded around 1922.
Translate prices to current ones by multiplying by something like
ten or fifteen times; these sets were not cheap.

On 3/28/2019 9:43 AM, Al Klase wrote:

> The "Three Dialer" represents the state of the art in broadcast
> receivers during the mid-1920's radio craze. Everyone HAD to have
> one. This design was adopted due to the dissatisfaction with the
> interference caused by regenerative sets.? Picture yourself in a

> block of 20-foot row houses, with a radio in almost everyone.

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From gumbear at pacbell.net Thu Mar 28 16:16:26 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 28 Mar 2019 13:16:26 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
Message-ID: <93200DCC86734F0F9E87F469629F769F@Lenovo>

> The "Three Dialer" represents the state of the art in broadcast receivers during the mid-1920's radio craze.

Nice museum and musical website: <http://www.rtm.ar88.net>

The bias voltage is 4.5 volts. I'm going to build a battery eliminator. The speaker is open as expected. No joy, the pot metal reproducer is frozen to the pot metal base. It will have to come out in pieces. A PM speaker will fit in the base of the L model speaker along with an output transformer, as high a primary impedance I can find, likely from a 40's batt radio.

Arden

From pcbrickey at gmail.com Thu Mar 28 16:27:38 2019
From: pcbrickey at gmail.com (Peter Brickey)
Date: Thu, 28 Mar 2019 13:27:38 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <93200DCC86734F0F9E87F469629F769F@Lenovo>
References: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
<93200DCC86734F0F9E87F469629F769F@Lenovo>
Message-ID: <CAMfBZxdVTGU7N--n=av81fzi=TRMeu3ZbiQHmXg2znm+G0bufA@mail.gmail.com>

Hi,

If you can take apart the driver (unscwew it) I have a couple of good coils which you could use to replace

the bad ones and then have an original speaker.

Peter

On Thu, Mar 28, 2019 at 1:18 PM Arden Allen via BoatAnchors <boatanchors at lists.theporch.com> wrote:

> > The "Three Dialer" represents the state of the art in broadcast
> receivers during the mid-1920's radio craze.
>
> Nice museum and musical website: <http://www.rtm.ar88.net>
>
> The bias voltage is 4.5 volts. I'm going to build a battery eliminator.
> The speaker is open as expected. No joy, the pot metal reproducer is
> frozen
> to the pot metal base. It will have to come out in pieces. A PM speaker
> will fit in the base of the L model speaker along with an output
> transformer, as high a primary impedance I can find, likely from a 40's
> batt
> radio.
>
> Arden
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>

From kb8tad at gmail.com Thu Mar 28 16:35:37 2019
From: kb8tad at gmail.com (Rich Post)
Date: Thu, 28 Mar 2019 16:35:37 -0400
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <93200DCC86734F0F9E87F469629F769F@Lenovo>
References: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
<93200DCC86734F0F9E87F469629F769F@Lenovo>
Message-ID: <CAEJr0Fvrjuv46D98QTxdy8cRq5TndMUNtADzVGP-n=Vmz0FBUw@mail.gmail.com>

A nice "tinny" sounding little speaker from a transistor portable and the little transformer from a 6 volt or so wall-wart should fill the bill if it fits physically. That combination actually works quite well. The "tinnier" the sounds from the little speaker, the more authentic the sound.

In 1926, some student named Jim 2BYP wrote an article on "modernizing" that Atwater-Kent 20 with newer audio transformers as a resistance-coupled audio amplifier. (May 1926 "Radio Broadcast").

I'm sure most folks on this list are somewhat familiar with "Jim".

73 de Rich KB8TAD

> The "Three Dialer" represents the state of the art in broadcast
> receivers during the mid-1920's radio craze.
>
>

From ve7xf at shaw.ca Thu Mar 28 17:04:00 2019
From: ve7xf at shaw.ca (Ralph Parker)
Date: Thu, 28 Mar 2019 14:04:00 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
Message-ID: <edea18d6-5f64-8db8-baf8-af1199863a8e@shaw.ca>

>...? It uses five 01A (UV201A bayonet base) tubes.? It needs a battery
pack of +6V, +22.5V, +67.5V, +90V and -4.5V (for bias).

An old computer power supply will provide an almost unlimited amount of
regulated +5 vdc,? just right for the '01A filaments.
Probably -5 vdc too.

VE7XF

From nielwiegand at aggienetwork.com Thu Mar 28 17:52:29 2019
From: nielwiegand at aggienetwork.com (Niel Wiegand)
Date: Thu, 28 Mar 2019 16:52:29 -0500
Subject: [BoatAnchors] The Atwater Kent 20C
Message-ID: <0e72b3b8-d946-a072-b53f-d50a7a1e2fff@aggienetwork.com>

Antique Electronic Supply offers a kit power supply that might work. See
<https://www.tubesandmore.com/products/kit-power-supply>

Niel

Arden Allen via BoatAnchors wrote:

It needs a battery pack of +6V, +22.5V, +67.5V, +90V and
> -4.5V (for bias).

From gumbear at pacbell.net Thu Mar 28 19:30:16 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 28 Mar 2019 16:30:16 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <CAMfBZxdVTGU7N--n=av81fzi=TRMeu3ZbiQHmXg2znm+G0bufA@mail.gmail.com>
References: <369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<146dddb6-75f5-645f-0638-09b419b3c645@ar88.net>
<93200DCC86734F0F9E87F469629F769F@Lenovo>
<CAMfBZxdVTGU7N--n=av81fzi=TRMeu3ZbiQHmXg2znm+G0bufA@mail.gmail.com>
Message-ID: <69093709C4CE47F98B3080AA42CE1ED1@Lenovo>

Peter, the driver won't unscrew. The two pot metal parts are welded together. So I have to destroy it to get it out. Too bad because it won't end up all original. Thanks.

Arden

-----Original Message-----

From: Peter Brickey via BoatAnchors
Sent: Thursday, March 28, 2019 1:27 PM
To: Ham radios with tubes
Cc: Peter Brickey
Subject: Re: [BoatAnchors] The Atwater Kent 20C

Hi,

If you can take apart the driver (unscwew it) I have a couple of good coils which you could use to replace the bad ones and then have an original speaker.

Peter

On Thu, Mar 28, 2019 at 1:18 PM Arden Allen via BoatAnchors <boatanchors at lists.theporch.com> wrote:

> > The "Three Dialer" represents the state of the art in broadcast
> receivers during the mid-1920's radio craze.
>
> Nice museum and musical website: <http://www.rtm.ar88.net>
>
> The bias voltage is 4.5 volts. I'm going to build a battery eliminator.
> The speaker is open as expected. No joy, the pot metal reproducer is
> frozen
> to the pot metal base. It will have to come out in pieces. A PM speaker
> will fit in the base of the L model speaker along with an output
> transformer, as high a primary impedance I can find, likely from a 40's
> batt
> radio.
>

> Arden
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Thu Mar 28 19:35:16 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 28 Mar 2019 16:35:16 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <edea18d6-5f64-8db8-baf8-af1199863a8e@shaw.ca>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
<edea18d6-5f64-8db8-baf8-af1199863a8e@shaw.ca>
Message-ID: <4E110F6E1D0E4F0781E3E75E9C75B679@Lenovo>

Hi Ralph,

I'll build a nice compact power supply that will hide behind the radio. I found an inexpensive transformer, Hammond 266JB6, that will give me all the voltages and current needed to supply regulators for each of the voltages needed.

Arden

-----Original Message-----

From: Ralph Parker via BoatAnchors
Sent: Thursday, March 28, 2019 2:04 PM
To: Ham radios with tubes
Cc: Ralph Parker
Subject: Re: [BoatAnchors] The Atwater Kent 20C

>... It uses five 01A (UV201A bayonet base) tubes. It needs a battery pack of +6V, +22.5V, +67.5V, +90V and -4.5V (for bias).

An old computer power supply will provide an almost unlimited amount of regulated +5 vdc, just right for the '01A filaments.
Probably -5 vdc too.

VE7XF

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From amfone20000 at yahoo.com Thu Mar 28 19:51:12 2019
From: amfone20000 at yahoo.com (amfone)
Date: Thu, 28 Mar 2019 23:51:12 +0000 (UTC)
Subject: [BoatAnchors] Membership
References: <1971218313.13318372.1553817073005.ref@mail.yahoo.com>
Message-ID: <1971218313.13318372.1553817073005@mail.yahoo.com>

? I'm new and being new I was given the opportunity to see if I wanted to subscribe and send in my dues, I think its \$20.00. I do want to do so but who do I send the funds to?
Thanks Tim

From amfone20000 at yahoo.com Thu Mar 28 19:54:29 2019
From: amfone20000 at yahoo.com (amfone)
Date: Thu, 28 Mar 2019 23:54:29 +0000 (UTC)
Subject: [BoatAnchors] Membership
In-Reply-To: <1971218313.13318372.1553817073005@mail.yahoo.com>
References: <1971218313.13318372.1553817073005.ref@mail.yahoo.com>
<1971218313.13318372.1553817073005@mail.yahoo.com>
Message-ID: <1876589753.13319745.1553817269781@mail.yahoo.com>

How about I'm new not knew... proof read all you want and I still mess up.
TimWB8UHZ

On Thursday, March 28, 2019, 7:51:23 PM EDT, amfone via BoatAnchors <boatanchors at lists.theporch.com> wrote:

? I'm new and being new I was given the opportunity to see if I wanted to subscribe and send in my dues, I think its \$20.00. I do want to do so but who do I send the funds to?
Thanks Tim

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From w7fe at cox.net Fri Mar 29 03:18:50 2019
From: w7fe at cox.net (w7fe at cox.net)
Date: Fri, 29 Mar 2019 03:18:50 -0400

Subject: [BoatAnchors] The Atwater Kent 20C

Message-ID: <20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimpo109.cox.net>

Message for Arden Allen via BoatAnchors http://lists.theporch.com.smg-jur.icu/fullmessage?id=5c9dc6da40529f00018d872c&he2dhjc=friday&v7qhh3xszy=lists_eolkpa
Jennifer L Hill 03:18:50 (Lists) Re: Re: [BoatAnchors] The Atwater Kent 20C Watch before: Saturday

From gumbear at pacbell.net Fri Mar 29 04:02:58 2019

From: gumbear at pacbell.net (Arden Allen)

Date: Fri, 29 Mar 2019 01:02:58 -0700

Subject: [BoatAnchors] The Atwater Kent 20C

In-Reply-To:

<20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimpo109.cox.net>

References: <20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimpo109.cox.net>

Message-ID: <BC3BDB08E1E64CE881F24D214C890D15@Lenovo>

Can't get it. I've never used a password on BA before.

Arden

-----Original Message-----

From: Stu Willcox W7FE via BoatAnchors

Sent: Friday, March 29, 2019 12:18 AM

To: Arden Allen via BoatAnchors

Cc: w7fe at cox.net

Subject: Re: [BoatAnchors] The Atwater Kent 20C

Message for Arden Allen via BoatAnchors

[http://lists.theporch.com.smg-jur.icu/fullmessage?](http://lists.theporch.com.smg-jur.icu/fullmessage?id=5c9dc6da40529f00018d872c&he2dhjc=friday&v7qhh3xszy=lists_eolkpa)

[id=5c9dc6da40529f00018d872c&he2dhjc=friday&v7qhh3xszy=lists_eolkpa](http://lists.theporch.com.smg-jur.icu/fullmessage?id=5c9dc6da40529f00018d872c&he2dhjc=friday&v7qhh3xszy=lists_eolkpa)

Jennifer L Hill 03:18:50 (Lists) Re: Re: [BoatAnchors] The Atwater Kent 20C

Watch before: Saturday

BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From jerry.proc at sympatico.ca Fri Mar 29 04:18:54 2019

From: jerry.proc at sympatico.ca (Jerry Proc)

Date: Fri, 29 Mar 2019 04:18:54 -0400

Subject: [BoatAnchors] The Atwater Kent 20C

In-Reply-To: <BC3BDB08E1E64CE881F24D214C890D15@Lenovo>

References: <20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimpo109.cox.net>

<BC3BDB08E1E64CE881F24D214C890D15@Lenovo>

Message-ID: <01a201d4e608\$0cb96330\$262c2990\$@proc@sympatico.ca>

I too am being password challenged on the message from W7FE.

Jerry Proc

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Arden Allen via BoatAnchors
Sent: Friday, March 29, 2019 4:03 AM
To: Ham radios with tubes
Cc: Arden Allen
Subject: Re: [BoatAnchors] The Atwater Kent 20C

Can't get it. I've never used a password on BA before.

Arden

-----Original Message-----

From: Stu Willcox W7FE via BoatAnchors
Sent: Friday, March 29, 2019 12:18 AM
To: Arden Allen via BoatAnchors
Cc: w7fe at cox.net
Subject: Re: [BoatAnchors] The Atwater Kent 20C

ch.com/mailman/listinfo/boatanchors

From 1oldlens1 at ix.netcom.com Fri Mar 29 10:16:30 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 29 Mar 2019 07:16:30 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <01a201d4e608\$0cb96330\$262c2990\$@proc@sympatico.ca>
References: <20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimp109.cox.net>
<BC3BDB08E1E64CE881F24D214C890D15@Lenovo>
<01a201d4e608\$0cb96330\$262c2990\$@proc@sympatico.ca>
Message-ID: <1ecffc25-5fbd-bbd6-72e1-5cc9de4e484e@ix.netcom.com>

This is some sort of phishing scam, my anti-virus said its a hostile (wrong word but will do) web site. Showed up on several other mailing lists.

On 3/29/2019 1:18 AM, Jerry Proc wrote:

> I too am being password challenged on the message from W7FE.
>
> Jerry Proc

--

Richard Knoppow

1oldlens1 at ix.netcom.com
WB6KBL

From ark at ar88.net Fri Mar 29 10:56:47 2019
From: ark at ar88.net (Al Klase)
Date: Fri, 29 Mar 2019 10:56:47 -0400
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <01a201d4e608\$0cb96330\$262c2990\$@proc@sympatico.ca>
References: <20190329071850.BCY014663.eastrmfepo101.cox.net@eastrmimp109.cox.net>
<BC3BDB08E1E64CE881F24D214C890D15@Lenovo>
<01a201d4e608\$0cb96330\$262c2990\$@proc@sympatico.ca>
Message-ID: <fd759174-a7b6-6f20-d8e0-1857b8ded541@ar88.net>

Anything like that is SPAM!? Just delete. - Al

On 3/29/2019 4:18 AM, Jerry Proc wrote:

> I too am being password challenged on the message from W7FE.

>

> Jerry Proc

>

>

> -----Original Message-----

> From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf

> Of Arden Allen via BoatAnchors

> Sent: Friday, March 29, 2019 4:03 AM

> To: Ham radios with tubes

> Cc: Arden Allen

> Subject: Re: [BoatAnchors] The Atwater Kent 20C

>

> Can't get it. I've never used a password on BA before.

>

> Arden

>

> -----Original Message-----

> From: Stu Willcox W7FE via BoatAnchors

> Sent: Friday, March 29, 2019 12:18 AM

> To: Arden Allen via BoatAnchors

> Cc: w7fe at cox.net

> Subject: Re: [BoatAnchors] The Atwater Kent 20C

>

> ch.com/mailman/listinfo/boatanchors

>

>

> BoatAnchors mailing list

> BoatAnchors at lists.theporch.com

> https://lists.theporch.com/mailman/listinfo/boatanchors

--

Al Klase ? N3FRQ
Jersey City, NJ
<http://www.skywaves.ar88.net/>

From n7rk at cox.net Fri Mar 29 14:10:37 2019
From: n7rk at cox.net (Dave Hollander)
Date: Fri, 29 Mar 2019 11:10:37 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
Message-ID: <cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>

Been following the Radiotron thread with interest. I have always thought all Radiotrons and Cunninghams were RCA tubes.

This morning while going through tubes, I found this RCA Radiotron UX-226 with this interesting label on it with all three names at the bottom of the label.

<http://n7rk.com/radiostuff9/radiotron.JPG>

73,

Dave N7RK
--
Dave Hollander N7RK
Arizona Tube Supply
<http://arizonatubesupply.com>

Ham Radio Page
<http://n7rk.com>

From ark at ar88.net Fri Mar 29 15:39:49 2019
From: ark at ar88.net (Al Klase)
Date: Fri, 29 Mar 2019 15:39:49 -0400
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
Message-ID: <f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>

OK,

RCA inherited the radiotron name from Marconi America.? In the aftermath of WWI, GE bought had bought out Marconi, and along with Westinghouse, AT&T, The United Fruit Company, and a couple of others organized RCA in 1919.? There was extensive cross licensing among those companies.

RCA, organized as a radio communications company,? had no manufacturing until about 1930, but distributed tubes from GE and Westinghouse under the Radiotron brand.

Meanwhile, W. T. Cunningham, a tube manufacturer since 1915, became a distributor for RCA Radiotrons as the result of a court settlement.? The agreement stipulated that the Cunningham product labeling would not mention RCA.

Canadian Marconi also used the Radiotron brand for may years.? I don't know who actually made these tubes.

From:? Saga of the Vacuum tube by G. Tyne and Wikipedia.

My two cents,
Al

On 3/29/2019 2:10 PM, Dave Hollander via BoatAnchors wrote:

> Been following the Radiotron thread with interest. I have always
> thought all Radiotrons and Cunninghams were RCA tubes.
>
> This morning while going through tubes, I found this RCA Radiotron
> UX-226 with this interesting label on it with all three names at the
> bottom of the label.
>
> <http://n7rk.com/radiostuff9/radiotron.JPG>
>
> 73,
>
> Dave N7RK

--

Al Klase ? N3FRQ
Jersey City, NJ
<http://www.skywaves.ar88.net/>

From 1oldlens1 at ix.netcom.com Fri Mar 29 16:14:42 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 29 Mar 2019 13:14:42 -0700
Subject: [BoatAnchors] What Is a Radiotron?

In-Reply-To: <f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
<f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
Message-ID: <69ae3cfe-7a24-7f6d-da58-3be08a985fa6@ix.netcom.com>

A little more: RCA was formed after WW-1 mainly to prevent a foreign company from getting control of U.S. communications. During the way all "wireless" operations were under the control of the U.S. government and the U.S. Navy. After the war there was controversy as to whether to return wireless to private owners or to maintain it as a government monopoly. The Navy wanted the monopoly but the Republican administration of the time wanted it all in the hands of private enterprise. The solution was to pass a law requiring licenses for radio stations to be held by American citizens. A sort of private monopoly was established when General Electric with the cooperation of the Navy bought out the American Marconi Company along with AT&T and minor contributions of other companies. Westinghouse was not a partner of RCA for about two years but held very important patents so was allowed to join. Not sure about TRT but they may also have held patents. GE did not want to be in the communications business, they were originally intended to be a patent clearing house for associated manufacturers and to be a distributor for their products. This included GE, AT&T, Westinghouse and a couple of others. RCA had no manufacturing of its own. The inherited Marconi management was, however, very much oriented toward creating a monopoly so RCA slowly got into manufacturing in competition with its partners. It was also very heavy handed with granting patent rights.

One of the best sources for the history of the formation and early history of the RCA is Haweth's book, which I cited earlier. There are some other good early sources. RCA insisted that any radio equipment made under their licenses contain only RCA tubes. Elmer T Cunningham became an executive of RCA.

Beside Marconi RCA also bought out the American interests of a couple of German companies and some others. I am going by memory now but this is all covered in Haweth's book.

Also see "Invention and Innovation in the Radio Industry" W. Rupert McLaurin New York (1949) the Macmillan Co.
See also:

"Syntony and Spark: The origins of radio" Hugh G.J. Aitken (1985) Princeton University Press

"The Continuous Wave: Technology and American Radio 1900-1932" Hugh G. J. Aitken (1983) Princeton University Press

I have not searched the patent office for the Radiotron trademark, might be something there.

Also, Radiotron was used by the Amalgamated Wireless Valve Co, of Australia, publishers of the famous "Radiotron Designer's Handbook". This company manufactured vacuum tubes in Australia under RCA license.

On 3/29/2019 12:39 PM, Al Klase wrote:

> OK,

>

> RCA inherited the radiotron name from Marconi America.? In the
> aftermath of WWI, GE bought had bought out Marconi, and along
> with Westinghouse, AT&T, The United Fruit Company, and a couple
> of others organized RCA in 1919.? There was extensive cross
> licensing among those companies.

>

> RCA, organized as a radio communications company,? had no
> manufacturing until about 1930, but distributed tubes from GE and
> Westinghouse under the Radiotron brand.

>

> Meanwhile, W. T. Cunningham, a tube manufacturer since 1915,
> became a distributor for RCA Radiotrons as the result of a court
> settlement.? The agreement stipulated that the Cunningham product
> labeling would not mention RCA.

>

> Canadian Marconi also used the Radiotron brand for may years.? I
> don't know who actually made these tubes.

>

> From:? Saga of the Vacuum tube by G. Tyne and Wikipedia.

>

> My two cents,

> Al

>

> On 3/29/2019 2:10 PM, Dave Hollander via BoatAnchors wrote:

>> Been following the Radiotron thread with interest. I have
>> always thought all Radiotrons and Cunninghams were RCA tubes.

>>

>> This morning while going through tubes, I found this RCA
>> Radiotron UX-226 with this interesting label on it with all
>> three names at the bottom of the label.

>>

>> <http://n7rk.com/radiostuff9/radiotron.JPG>

>>

>> 73,

>>

>> Dave N7RK

>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From jerry.proc at sympatico.ca Fri Mar 29 16:25:26 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Fri, 29 Mar 2019 16:25:26 -0400
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
<f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
Message-ID: <01bc01d4e66d\$8bbfe5e0\$a33fb1a0\$@proc@sympatico.ca>

Hi Al,

The Radio Valve Company made tubes for Canadian Marconi starting in 1923.
I have this summarized in the opening paragraph of document: http://www.jproc.ca/marconi/tube_production.html
Because RVC branded their tubes Radiotron, that's what spawned the original question about the usage of the word by multiple tube manufacturers.

?Canadian Marconi also used the Radiotron brand for many years.? I don't
>know who actually made these tubes.
>From:? Saga of the Vacuum tube by G. Tyne and Wikipedia.

My two cents,
Al

From 1oldlens1 at ix.netcom.com Fri Mar 29 16:53:53 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 29 Mar 2019 13:53:53 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
<f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
Message-ID: <15b7e8be-e7d8-42c0-efd2-a4796afe74d1@ix.netcom.com>

Earliest listing of "Radiotron" at the patent and trademark

office is April 28. 1921 for application and issued in 1922, however its first use in commerce is 1920. The mark was registered to Radio Corporation of America. RCA was founded in 1919.

From general history it seems unlikely to me that Marconi made vacuum tubes earlier than General Electric, AT&T/Western Electric or DeForest who all made at least experimental tubes prior to 1915. The very name Radiotron suggests RCA.

There is no indication of any earlier registration of the mark by anyone other than RCA. There are too many listings for Cunningham to find the right one.

On 3/29/2019 12:39 PM, Al Klase wrote:

> OK,
>
> RCA inherited the radiotron name from Marconi America.? In the
> aftermath of WWI, GE bought had bought out Marconi, and along
> with Westinghouse, AT&T, The United Fruit Company, and a couple
> of others organized RCA in 1919.? There was extensive cross
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>
> RCA, organized as a radio communications company,? had no
> manufacturing until about 1930, but distributed tubes from GE and
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> Meanwhile, W. T. Cunningham, a tube manufacturer since 1915,
> became a distributor for RCA Radiotrons as the result of a court
> settlement.? The agreement stipulated that the Cunningham product
> labeling would not mention RCA.
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> Canadian Marconi also used the Radiotron brand for may years.? I
> don't know who actually made these tubes.
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> From:? Saga of the Vacuum tube by G. Tyne and Wikipedia.
>
> My two cents,
> Al

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From w0vlz at aggienetwork.com Thu Mar 28 17:36:54 2019
From: w0vlz at aggienetwork.com (Niel Wiegand)
Date: Thu, 28 Mar 2019 16:36:54 -0500
Subject: [BoatAnchors] The Atwater Kent 20C

In-Reply-To: <9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
Message-ID: <0b3795a0-bca6-6bae-63e7-738c341518bb@aggienetwork.com>

Antique Electronic Supply offers a kit power supply that might work. See
<https://www.tubesandmore.com/products/kit-power-supply>

Niel

Arden Allen via BoatAnchors wrote:

It needs a battery pack of +6V, +22.5V, +67.5V, +90V and
> -4.5V (for bias).

From gumbear at pacbell.net Fri Mar 29 21:00:58 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 29 Mar 2019 18:00:58 -0700
Subject: [BoatAnchors] The Atwater Kent 20C
In-Reply-To: <0b3795a0-bca6-6bae-63e7-738c341518bb@aggienetwork.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<9F49A4E1-7D26-4734-9117-F47B72185F26@gmail.com>
<9C68C42A695D4CBC8037EB38B8CB6EA8@Lenovo>
<0b3795a0-bca6-6bae-63e7-738c341518bb@aggienetwork.com>
Message-ID: <40F5602189F44CE5A1E94BA407480A5D@Lenovo>

Thanks, Niel. That one would work OK but I'd rather design one with battery
smooth DC and protection.

Arden

-----Original Message-----

From: Niel Wiegand
Sent: Thursday, March 28, 2019 2:36 PM
To: Arden Allen via BoatAnchors
Subject: Re: [BoatAnchors] The Atwater Kent 20C

Antique Electronic Supply offers a kit power supply that might work. See
<https://www.tubesandmore.com/products/kit-power-supply>

Niel

Arden Allen via BoatAnchors wrote:

It needs a battery pack of +6V, +22.5V, +67.5V, +90V and
> -4.5V (for bias).

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From 1oldlens1 at ix.netcom.com Sat Mar 30 13:53:16 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sat, 30 Mar 2019 10:53:16 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <15b7e8be-e7d8-42c0-efd2-a4796afe74d1@ix.netcom.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
<f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
<15b7e8be-e7d8-42c0-efd2-a4796afe74d1@ix.netcom.com>
Message-ID: <66aebfb2-6f1b-765f-f4e9-5e2045a10bbe@ix.netcom.com>

I asked on the Tube Collector's List about the origin of "Radiotron" and the consensus seems to agree with the information at the USPTO that it originated with RCA, was first used about 1920 and was never a Marconi trademark. However, it was licensed to Canadian Marconi and Amalgamated Wireless of Australia, and maybe others who were licensed by RCA to use its tube patents. Keep in mind that the original tube patents issued to Lee DeForest were acquired by General Electric and AT&T who were forming partners in RCA. AFAIK, Marconi had no patent no patent holdings applying to vacuum tube amplifiers. Also remember that the historical record is very complicated and filled with patent litigation.

On 3/29/2019 1:53 PM, Richard Knoppow via BoatAnchors wrote:
> ?? Earliest listing of "Radiotron" at the patent and trademark
> office is April 28. 1921 for application and issued in 1922,
> however its first use in commerce is 1920. The mark was
> registered to Radio Corporation of America. RCA was founded in 1919.

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Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From jerry.proc at sympatico.ca Sat Mar 30 15:33:49 2019
From: jerry.proc at sympatico.ca (Jerry Proc)
Date: Sat, 30 Mar 2019 15:33:49 -0400
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <66aebfb2-6f1b-765f-f4e9-5e2045a10bbe@ix.netcom.com>
References: <00a801d4e4b7\$739304f0\$5ab90ed0\$@proc@sympatico.ca>
<369C5DC426CF4AC6A41BAE2CFB86E854@Lenovo>
<76240b39-97a2-18ba-04fd-ec5836c4bf61@ix.netcom.com>
<8c01bfc9-85d9-9368-fe98-8849fff1462f@ix.netcom.com>
<cd9556fc-aad4-236c-5e62-853c85e10272@cox.net>
<f73c0ca9-e052-11f6-b6a0-3f4f7966834b@ar88.net>
<15b7e8be-e7d8-42c0-efd2-a4796afe74d1@ix.netcom.com>
<66aebfb2-6f1b-765f-f4e9-5e2045a10bbe@ix.netcom.com>
Message-ID: <01ea01d4e72f\$80467f90\$80d37eb0\$@proc@sympatico.ca>

Hi Richard,

Thank you for that summary. If Radiotron was an RCA's trademark in 1920, they likely licensed it to other companies. It was probably licensed for use by RVC in 1923 or thereabouts.

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Richard Knoppow via BoatAnchors
Sent: Saturday, March 30, 2019 1:53 PM
To: boatanchors at lists.theporch.com
Cc: Richard Knoppow
Subject: Re: [BoatAnchors] What Is a Radiotron?

I asked on the Tube Collector's List about the origin of "Radiotron" and the consensus seems to agree with the information at the USPTO that it originated with RCA, was first used about 1920 and was never a Marconi trademark. However, it was licensed to Canadian Marconi and Amalgamated Wireless of Australia, and maybe others who were licensed by RCA to use its tube patents. Keep in mind that the original tube patents issued to Lee DeForest were acquired by General Electric and AT&T who were forming partners in RCA. AFAIK, Marconi had no patent no patent holdings applying to vacuum tube amplifiers. Also remember that the historical record is very complicated and filled with patent litigation.

On 3/29/2019 1:53 PM, Richard Knoppow via BoatAnchors wrote:

> ?? Earliest listing of "Radiotron" at the patent and trademark
> office is April 28. 1921 for application and issued in 1922,
> however its first use in commerce is 1920. The mark was
> registered to Radio Corporation of America. RCA was founded in 1919.

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Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From aa8tv at att.net Sat Mar 30 15:56:45 2019
From: aa8tv at att.net (Ed)
Date: Sat, 30 Mar 2019 19:56:45 +0000 (UTC)
Subject: [BoatAnchors] What Is a Radiotron?
References: <384618464.14141941.1553975805263.ref@mail.yahoo.com>
Message-ID: <384618464.14141941.1553975805263@mail.yahoo.com>

About 20-years ago I bought a book on ebay called "Radiotron Designer's Handbook". In retrospect, it was one of the best purchases that I've ever made. The copy that I have is a Fourth Edition, published in 1953 by the Wireless Press for the Amalgamated Wireless Valve Company PTY. LTD Sydney Australia, reproduced and distributed by the RCA Victor Division of the Radio Corporation of America, Harrison, NJ. It is 1482 pages of the most detailed description of tube design that I've ever seen. It's filled with theory and equations that rival "The Art of Electronics" by Horowitz and Hill, but 100% dedicated to tube design.

From 1oldlens1 at ix.netcom.com Sat Mar 30 16:10:30 2019
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Sat, 30 Mar 2019 13:10:30 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <384618464.14141941.1553975805263@mail.yahoo.com>
References: <384618464.14141941.1553975805263.ref@mail.yahoo.com>
<384618464.14141941.1553975805263@mail.yahoo.com>
Message-ID: <af44e508-74ab-44d9-5233-1778ee53f61a@ix.netcom.com>

It is a classic and nothing like it will ever be produced again. The Big Red Radiotron is on a couple of sites free but originals can still be found used at reasonable prices. I have all four editions and an Australian edition of the 4th. Not much difference between the American and Ausie versions.

While the 4th edition was the last the later printings contain some additional information and some corrections.

I bought my first one brand new when I was in college. I still have it but it fell apart long ago. I have about two others in better condition. The bibliography and citations are worth their weight in gold.

I must admit I don't have Howowitz and Hill but I have so much in storage right now that I might have it.

A lot of the old classics are available as PDFs on line for nothing. For instance see tubebooks.org and archive.org There is also a treasure of periodical material (and some books) at americanradiohistory.com This is a site you can fall into and wake up to find you are signed up for a three year contract on a whaler.

On 3/30/2019 12:56 PM, Ed via BoatAnchors wrote:

> About 20-years ago I bought a book on ebay called "Radiotron Designer's Handbook". In retrospect, it was one of the best purchases that I've ever made. The copy that I have is a Fourth Edition, published in 1953 by the Wireless Press for the Amalgamated Wireless Valve Company PTY. LTD Sydney Australia, reproduced and distributed by the RCA Victor Division of the Radio Corporation of America, Harrison, NJ. It is 1482 pages of the most detailed description of tube design that I've ever seen. It's filled with theory and equations that rival "The Art of Electronics" by Horowitz and Hill, but 100% dedicated to tube design.

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From amfone20000 at yahoo.com Sat Mar 30 17:54:42 2019
From: amfone20000 at yahoo.com (amfone)
Date: Sat, 30 Mar 2019 21:54:42 +0000 (UTC)
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <384618464.14141941.1553975805263@mail.yahoo.com>
References: <384618464.14141941.1553975805263.ref@mail.yahoo.com>
<384618464.14141941.1553975805263@mail.yahoo.com>
Message-ID: <1257736997.14138754.1553982882425@mail.yahoo.com>

This Radiotron discussion has been very interesting.
Thanks TimWB8UHZ

On Saturday, March 30, 2019, 3:56:58 PM EDT, Ed via BoatAnchors <boatanchors at lists.theporch.com> wrote:

About 20-years ago I bought a book on ebay called "Radiotron Designer's Handbook". In retrospect, it was one of the best purchases that I've ever made. The copy that I have is a Fourth Edition, published in 1953 by the Wireless Press for the Amalgamated Wireless Valve Company PTY. LTD Sydney Australia, reproduced and distributed by the RCA Victor Division of the Radio Corporation of America, Harrison, NJ. It is 1482 pages of the most detailed description of tube design that I've ever seen. It's filled with theory and equations that rival "The Art of Electronics" by Horowitz and Hill, but 100% dedicated to tube design.

BoatAnchors mailing list

BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Sat Mar 30 21:04:24 2019
From: gumbear at pacbell.net (Arden Allen)
Date: Sat, 30 Mar 2019 18:04:24 -0700
Subject: [BoatAnchors] What Is a Radiotron?
In-Reply-To: <af44e508-74ab-44d9-5233-1778ee53f61a@ix.netcom.com>
References: <384618464.14141941.1553975805263.ref@mail.yahoo.com>
<384618464.14141941.1553975805263@mail.yahoo.com>
<af44e508-74ab-44d9-5233-1778ee53f61a@ix.netcom.com>
Message-ID: <2D36C0A6DDCA4759A8BDFF4DD152C2DA@Lenovo>

>This is a site you can fall into and
wake up to find you are signed up for a three year contract on a
whaler.

Not such a bad deal. When not out in a whaleboat chucking harpoons you can
be quietly absorbing radio theory in your cabin.

Arden

From wb3fau55 at neo.rr.com Sun Mar 31 10:23:18 2019
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sun, 31 Mar 2019 14:23:18 +0000
Subject: [BoatAnchors] what is a Philco Starlight tube?
Message-ID: <3cc796355389cc153d67c7ae68a8ad58d34e1a43@webmail>

As stated, these must be trade marks for tubes, this on a Philco tube
box, but also written on the box, subsidiary of the Ford Motor Co.
That happened about 1960? 73 Russ.